

California Regional Water Quality Control Board
North Coast Region

Order No. 77-23

WASTE DISCHARGE REQUIREMENTS

for

COUNTY OF MENDOCINO
SOUTH COAST SOLID WASTE DISPOSAL SITE

Mendocino County.

The California Regional Water Quality Control Board, North Coast Region, finds that:

1. The County of Mendocino (hereinafter referred to as the discharger) is the owner and operator of a Class II-2 solid waste disposal site located approximately five miles east of Highway 1 in the S $\frac{1}{2}$ of Section 4, T11N, R15W, MDB&M, as shown on Attachments "A" and "B" incorporated herein and made a part of this order.
2. The disposal site property contains approximately 47 acres located adjacent to the North Fork Gualala River. The current active portion of the disposal site only includes approximately 10 acres.
3. The discharger is operating the site as a fill and cover operation with waste being placed in layers behind a compacted earth barrier that is keyed into the native soils. Surface drainage is diverted around the fill area as shown on Attachment "B".
4. Area topsoil consists of a two to four foot thickness of silty, sandy clay which is weathered bedrock. Immediately underlying the thin soil mantle, Jura-Cretaceous marine sediments of the Franciscan formation exist to an unknown depth. Underlying rocks appear to be deeply weathered sandstone with some thin interbedded deposits of shale. The primary structural feature in the vicinity of the site is the projected trace of the San Andreas Fault. The fault is located within five miles of the disposal site. Observation wells installed and monitored by the discharger have shown maximum groundwater elevation in the disposal area to be approximately 484 feet.
5. Land within 1000 feet of the disposal site is unimproved forest and range land.
6. The disposal site meets criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15, for classification as a Class II-2 disposal site suitable to receive groups 2 and 3 wastes.
7. The Regional Board finds that this project will not cause adverse environmental impacts if conducted in accordance with the limitations and provisions contained in this order.
8. The Regional Board adopted Order No. 75-123, Waste Discharge Requirements for County of Mendocino South Coast Solid Waste Disposal Site, on May 29, 1975.
9. Order No. 75-123 prohibited the discharge of waste outside of a designated area that corresponded with the active disposal area at the time of the order's adoption. That area was limited to the south half of the disposal area shown on Attachment "B" of this order. The discharger has recently notified the Board that the disposal operations are presently being expanded to the new limits delineated on Attachment "B" of this order. In addition, the discharger has indicated that a detailed developmental study to establish the ultimate disposal area boundaries will be conducted during the summer of 1977.

Order No. 77-23

10. The Regional Board adopted the Water Quality Control Plan for the North Coastal Basin on March 20, 1975.
11. Beneficial uses of the Gualala River include:
 - a. municipal water supply
 - b. scientific study, research, training, and marine life refuge
 - c. industrial water supply
 - d. recreation
 - e. aesthetic enjoyment
 - f. preservation and enhancement of fish, wildlife, and other aquatic resources.
12. The Board notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this waste discharge.
13. The Board in a public meeting heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that Order No. 75-123 be rescinded and that the County of Mendocino shall comply with the following:

A. DISCHARGE SPECIFICATIONS:

1. The treatment or disposal of wastes shall not cause a pollution or a nuisance as defined in Section 13050 of the California Water Code.
2. Group 1 wastes shall not be deposited at this site.
3. No wastes shall be deposited outside of the disposal area boundary as shown on Attachment "B".
4. No Group 2 wastes shall be deposited in any area at an elevation that does not at all times provide a minimum vertical separation of at least five feet between the waste and groundwater unless a low permeability barrier approved by the Executive Officer is placed beneath the waste.
5. No Group 2 wastes shall be placed in ponded water from any source whatsoever.
6. During the rainy season only the active area of waste placement shall be left exposed to rainfall. The active area shall not be excessively large for daily waste placement operation. The inactive area shall be capped with at least one foot of earth compacted to a permeability of 10^{-6} cm/Sec. or less.
7. The exterior surfaces of the disposal area shall be graded to promote lateral runoff of precipitation and to prevent ponding.
8. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through Group 2 wastes discharged at this site.
9. A liquid control barrier shall be constructed and maintained down gradient from the disposal area to prevent leachate or other liquid wastes from entering surface waters.

Order No. 77-23

10. Leachate control facilities shall be maintained below a volume equal to 75% of the total liquid storage capacity of the facilities.
11. There shall be no discharge of leachate or other liquid waste to the Gualala River or any tributaries thereof.
12. The disposal area shall be protected from any washout or erosion of wastes or covering materials, and from inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
13. No liquids shall be deposited at this site, and water used during the disposal site operation shall be limited to a minimal amount reasonably necessary for dust control, compaction and fire control.
14. Annually, prior to the anticipated rainfall period, all necessary runoff diversion facilities shall be in place to prevent erosion or flooding of the site.
15. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

B. PROVISIONS:

1. The discharger shall comply with the Monitoring and Reporting Program No. 77-23 and the General Provisions for Monitoring and Reporting as specified by the Executive Officer.
2. The discharger shall submit to the Board a copy of the disposal site developmental study upon its completion.
3. The discharger shall maintain a copy of this order at the site so as to be available at all times to site operating personnel.
4. The discharger shall file with this Board a report of any material change or proposed change in the character, location or quantity of this waste discharge. For the purpose of this requirement this includes any proposed change in the boundaries, contours, or ownership of the disposal area.
5. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this order by letter, a copy of which shall be forwarded to this Board.
6. At least 90 days prior to permanently closing this site the discharger shall submit a technical report to the Board describing the methods and controls to be used to assure protection of the quality of surface and groundwaters of the area during final operations and with any proposed subsequent use of the land. This report shall be prepared by or under the supervision of a registered engineer or a certified engineering geologist. The method used to close the site and maintain protection of the quality of surface and groundwaters shall comply with waste discharge requirements established by the Regional Board.

Order No. 77-23

7. The discharger shall permit the Regional Board:
 - a. entry upon premises in which an effluent source is located or in which any required records are kept;
 - b. access to copy any records required to be kept under terms and conditions of this order;
 - c. inspection of monitoring equipment or records; and
 - d. sampling of any discharge.
8. In the event the discharger is unable to comply with any of the conditions of this order due to:
 - a. breakdown of waste treatment equipment;
 - b. accidents caused by human error or negligence; or
 - c. other causes such as acts of nature;

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.
9. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
10. The discharger shall comply with the Contingency Planning and Notification Requirements Order No. 74-151.

Certification

I, David C. Joseph, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on February 24, 1977.

ORIGINAL SIGNED BY

David C. Joseph
Executive Officer

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. 77-23

for

COUNTY OF MENDOCINO
SOUTH COAST SOLID WASTE DISPOSAL SITE

Mendocino County

MONITORING*

1. A monitoring well shall be installed within 200 feet and down gradient from the disposal area shown on Attachment "B". The well shall extend at least five feet below the elevation of groundwater and the casing shall be perforated within the groundwater zone. The top of the well casing shall be at least 1 foot above ground surface to preclude surface water inflow and shall be capped to preclude other pollutants. The well casing shall be of inert material, shall have a minimum inside diameter of 4 inches, and shall be backfilled with gravel to prevent the plugging of perforations with earth. The following shall constitute the monitoring program:

Bimonthly a grab sample shall be collected from the well as follows:

Immediately prior to sampling, the elevation of the water standing in the casing shall be determined, the well shall then be pumped for 5 minutes or until excavated. A grab sample shall then be taken from the inflowing water and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>
Chemical Oxygen Demand	mg/l
Total Hardness (Ca CO ₃)	mg/l
Total Iron	mg/l
Specific Conductance	micromhos/cm @25°C
Total Dissolved Solids	mg/l

2. In addition, the elevation of groundwater shall be determined monthly in observation well W-2 located up gradient from the disposal area.
3. The approximate volume of leachate or other liquid wastes collected by the liquid control barrier shall be determined each month.
4. The approximate remaining capacity of the solid waste disposal site shall be determined annually.

* Compliance with item No. 1 of the monitoring program shall be delayed pending completion of the discharger's developmental study for the site; however, compliance shall not be delayed past January 1, 1978.

Monitoring and Reporting
Program No. 77-23

REPORTING

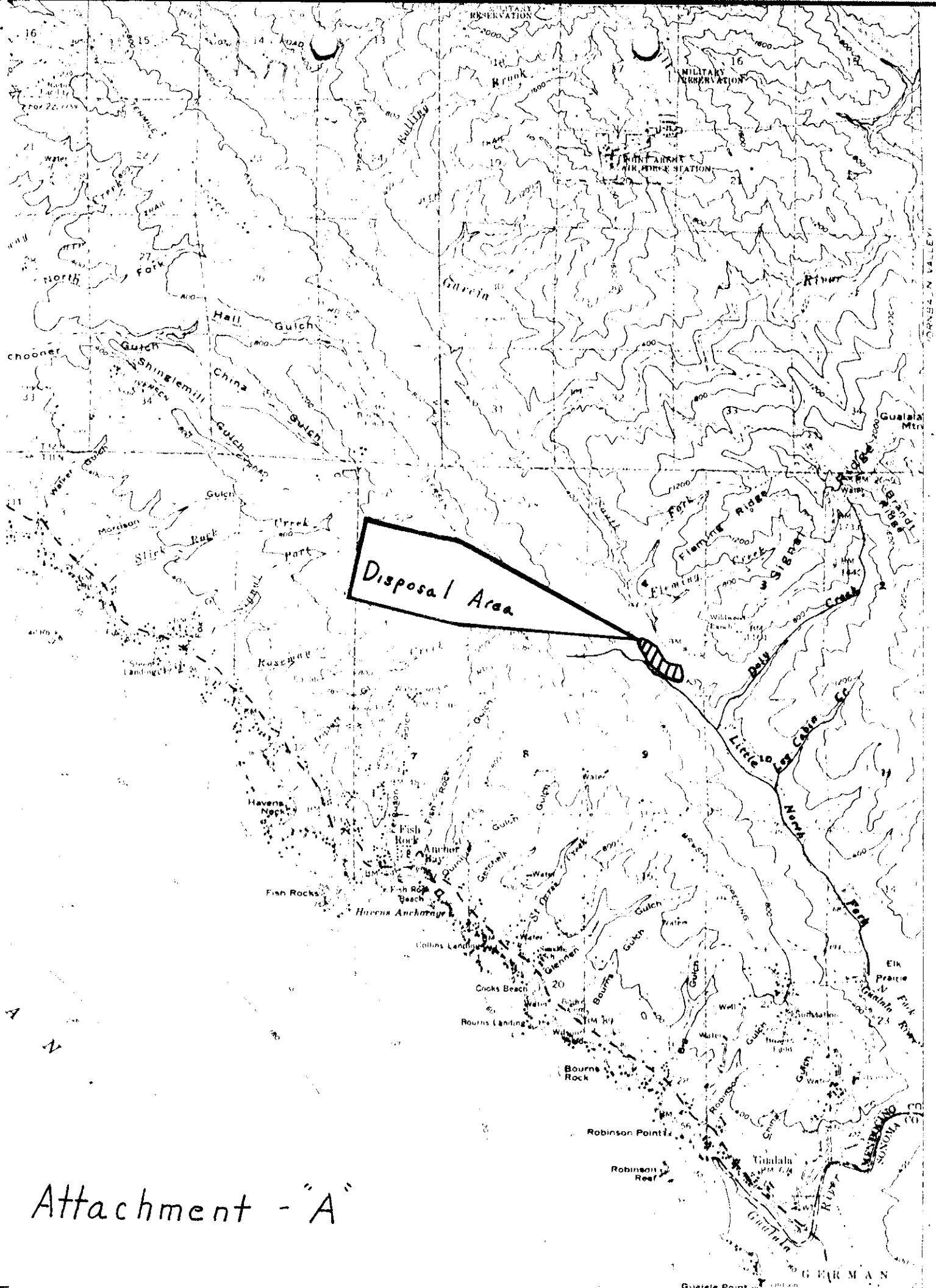
Monitoring reports shall be submitted to the Regional Board monthly by the 15th day of the following month. In reporting the monitoring data, the discharger shall arrange the data in tabular form on an 8 $\frac{1}{2}$ by 11 inch sheet so that the date, the constituents, and the concentrations are readily discernible. If the discharger is unable to collect samples because the sampling point is dry, the monitoring report shall so indicate. The monitoring and any necessary narrative reports shall be transmitted in accordance with specifications of Resolution No. 71-5 adopted by the Board on February 3, 1971.

Ordered by _____

ORIGINAL SIGNED BY _____

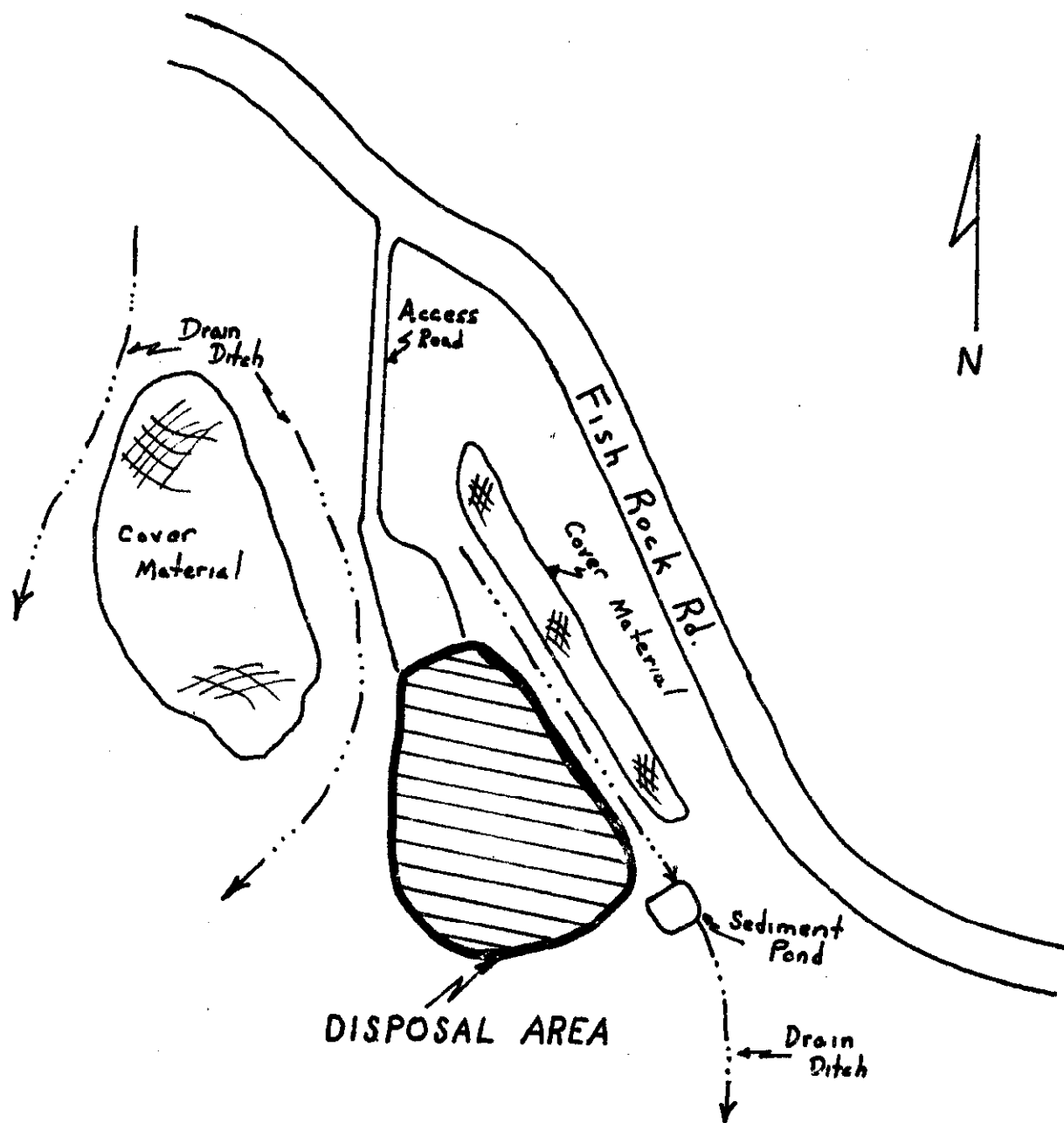
David C. Joseph
Executive Officer

February 24, 1977



Attachment - "A"

SOUTH COAST SWDS



Attachment - "B"

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
NORTH COAST REGION

GENERAL MONITORING AND REPORTING PROVISIONS

February 3, 1971

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Unless otherwise noted, all sampling, sample preservation, and analyses shall be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Waste Water" or approved by the Executive Officer.

All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health or a laboratory approved by the Executive Officer.

All samples shall be representative of the waste discharge under the conditions of peak load.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the regional board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall file a written report within 90 days after the average dry-weather flow for any month that equals or exceeds 75% of the design capacity of the waste treatment or disposal facilities. The report shall contain a schedule for studies, design, and other steps needed to provide additional capacity or limit the flow below the design capacity prior to the time when the waste flow rate equals the capacity of the present units.